Amendments to the Claims:

The following listing of claims replaces all prior listings, and prior versions, of the claims.

Listing of Claims:

1. (currently amended) A positioning system for a moveable platform comprising:

at least one active array attached to at least one fixed non-movable structure in a hoistway, each said active array comprised of at least one light emitting element for transmitting a binary encoded identification positioned at a known location;

at least one camera for acquiring an image of said at least one active array;

means for receiving said binary encoded identification from said image;

means for processing said image to determine the position of said active array with respect to said moveable platform; and

means for combining said received binary encoded identification and said determined position to calculate a position of said moveable platform.

2. (original) The apparatus of claim 1 wherein said at least one camera is affixed to said moveable platform and said at least one active array is affixed to a doorframe.

3. (original) The apparatus of claim 2 wherein said moveable platform is an elevator.

4. (currently amended) The apparatus of claim 1 wherein ~~of~~ said at least one light emitting element~~s are~~ is selected

from the group consisting of a Light Emitting Diode (LED), an IR light emitter, a visible light emitter, and a UV frequency light emitter.

5. (original) The apparatus of claim 1 additionally comprising a database in which is stored position information of each of said at least one active array.

6. (currently amended) A method for determining a position of a moveable platform comprising the steps of:

providing a plurality of active arrays attached to at least one fixed non-movable structure in a hoistway at fixed positions, each active array comprising at least one light emitting element for transmitting a binary encoded identification;

affixing at least one camera to a moveable platform;

imaging at least one of said plurality of active arrays with said at least one camera to produce an image;

performing image processing on said image to receive said binary coded identification and to determine a position with respect to said moveable platform; and

combining said binary coded identification with said coded information with said position of said active array to determine a location of said moveable platform.

7. (currently amended) The method of claim ~~1~~ 6 wherein said step of providing said plurality of active arrays comprises ~~providing~~ selecting said at least one light emitting element~~s~~ ~~selected~~ from the group consisting of a Light Emitting Diode (LED), an IR light emitter, a visible light emitter, and a UV frequency light emitter.

8. (currently amended) The method of claim ~~1~~ 6 comprising the additional step of retrieving a position of said active array from a database using said binary encoded identification.

9. (currently amended) The method of claim ~~1~~ 6 wherein said affixing said at least one camera to a moveable platform comprises affixing said at least one camera to an elevator.

10. (currently amended) The method of claim ~~1~~ 6 comprising the additional step of dynamically configuring at least one of said active arrays.